

Section I:
AMENDMENT UNDER 37 CFR §1.121 to the CLAIMS

Claims 1 - 13 (cancelled)

14. (previously presented) A computer-implemented grid computing control method comprising:

receiving by a grid computing control system one or more grid resource self-reports from one or more self-reporting computing resources in a grid computing environment;

receiving by the grid computing control system one or more job results from a grid resource job results manager system corresponding to jobs completed by the self-reporting grid computing resources;

analyzing by the grid computing control system the received job results and the received self-reports against client-driven Service Level Agreement performance requirements corresponding to the completed jobs and determining one or more sub-ratings selected from a group comprising percentage of jobs completed, percentage of jobs completed within specified time constraints, an interactiveness rating, and a cost compliance rating;

producing and updating a grid resource rating table having the sub-ratings according to a weighted analysis of the sub-ratings for each resource vendor;

subsequently selecting by the grid computing control system an available grid resource server in the grid computing environment from a plurality of available grid resource servers according to the grid resource rating table; and

assigning a subsequently requested job to the selected grid resource server wherein the selection and assignment is performed according to historical performance against client-driven performance requirements per the grid resource rating table.

Claims 15 - 39 (cancelled)

40. (currently amended) A computer program product storage memory comprising: a computer readable storage memory medium; ~~suitable for encoding software~~; and one or more computer programs encoded by the computer readable memory and configured to cause a processor to:

first program instructions to receive by a grid computing control system one or more grid resource self-reports from one or more self-reporting computing resources in a grid computing environment;

second program instructions to receive by the grid computing control system one or more job results from a grid resource job results manager system corresponding to jobs completed by the self-reporting Online Transaction Processing computing resources;

third program instructions to analyze by the grid computing control system the received job results and the received self-reports against client-driven Service Level Agreement performance requirements corresponding to the completed jobs and determining one or more sub-ratings selected from a group comprising percentage of jobs completed, percentage of jobs completed within specified time constraints, an interactiveness rating, and a cost compliance rating;

fourth program instructions to produce and update a grid resource rating table having the sub-ratings according to a weighted analysis of the sub-ratings for each resource vendor;

fifth program instructions to, subsequently, select by the grid computing control system an available grid resource server in the grid computing environment from a plurality of available grid resource servers according to the grid resource rating table; and

sixth program instructions to assign ~~assigning~~ a subsequently requested job to the selected grid resource server wherein the selection and assignment is performed according to historical performance against client-driven performance requirements per the grid resource rating table;[[.]]

wherein the first, second, third, fourth, fifth and sixth program instructions are stored on the computer readable storage medium.

41. (previously presented) A grid computing control system comprising:

- a grid computing controller selected from a group comprising a microprocessor, programmable logic circuit, and custom integrated circuit, configured to perform a logical process of automatically dynamically assigning an Online Transaction Processing job to an available grid resource server based upon historical performance against grid processing job requirements driven by a client;
- receiver portion of the grid computing controller receiving one or more grid resource self-reports from one or more self-reporting computing resources in a grid computing environment;
- a Service Level Agreement accessor portion of the grid computing controller accessing one or more Service Level Agreements associated with the client;
- a job results receiver portion of the grid computing controller receiving one or more job results from a grid computing environment job results manager system;
- an analyzer portion of the grid computing controller, responsive to completion of an Online Transaction Processing job by a particular grid resource server, analyzing received job results and received self-reports from the particular grid resource server against the accessed Service Level Agreement, including determining one or more sub-ratings selected from a group comprising percentage of jobs completed, percentage of jobs completed within specified time constraints, an interactiveness rating, and a cost compliance rating;
- a report producer portion of the grid computing controller subsequently producing and updating a grid resource rating table having the sub-ratings according to a weighted analysis of the sub-ratings for each resource vendor; and
- a selector/assigner portion of the grid computing controller selecting an available grid resource server in the grid computing environment from a plurality of available grid resource servers according to the grid resource rating table, and assigning a subsequently requested job to the selected grid resource server.

Claims 42 - 43. (cancelled)